

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1. (Currently Amended) A communication control apparatus comprising:

- a first port connection unit which connects to a first segment of a network;
- a second port connection unit which connects to a second segment of the network;
- a CIP header detecting unit configured to detect whether or not an isochronous packet received by said first port connection unit includes a CIP (common isochronous packet) header conforming to IEC 61883 standard; and
- a control unit configured to determine, using the CIP header, whether or not to disable relaying the isochronous packet received by said first port connection unit to said second port connection unit,
- wherein said control unit controls to provide another isochronous packet including dummy data or null data to said second connection unit in lieu of the isochronous packet received by said first connection unit, if said control unit determines that relaying the isochronous packet received by said first connection unit to said second connection unit is disabled
- wherein said control unit enables relaying the isochronous packet received by said first port to said second port, if said CIP header detecting unit detects that the isochronous packet received by said first port does not include the CIP header, and
- wherein said control unit determines, using the CIP header included in the isochronous packet received by said first port, whether or not to disable relaying the isochronous packet

received by said first port to said second port, if said CIP header detecting unit detects that the isochronous packet received by said first port includes the CIP header.

Claims 2 - 3. (Canceled)

Claims 4 - 9. (Canceled).

Claim 10. (Currently Amended) A communication control apparatus according to claim 1, wherein said first and second ports connection units conform to the IEEE 1394—1995 1394-1995 standard.

Claim 11. (Currently Amended) A method of controlling a communication control apparatus, the communication control apparatus including a first port connection unit which connects to a first segment of a network and a second port connection unit which connects to a second segment of the network, the method comprising the steps of:

detecting whether or not an isochronous packet received by the first port connection unit includes a CIP (common isochronous packet) header conforming to IEC 61883 standard;

determining, using the CIP header, whether to disable relaying the isochronous packet received by the first connection unit to the second connection unit; and

providing another isochronous packet including dummy data or null data to the second connection unit in lieu of the isochronous packet received by the first connection unit, if it is determined in said determining step that relaying the isochronous packet received by the first connection unit to the second connection unit is disabled

enabling relaying the isochronous packet received by the first port to the second port, if the isochronous packet received by the first port does not include the CIP header; and

determining, using the CIP header included in the isochronous packet received by the first port, whether or not to disable relaying the isochronous packet received by the first port to

~~the second port, if it is detected in said detecting step that the isochronous packet received by the first port includes the CIP header.~~

Claims 12. - 13. (Canceled)

Claim 14. (Canceled)

Claim 15. (Currently Amended) A method according to claim 11, wherein the first and second ports connection units conform to the IEEE 1394-1995 standard.

Claims 16 - 17. (Canceled).

Claim 18. (New) A communication control apparatus according to claim 1, wherein said control unit enables relaying the isochronous packet received by said first connection unit to said second connection unit, if the isochronous packet received by said first connection unit does not include the CIP header.

Claim 19. (New) A communication control apparatus according to claim 1, wherein said control unit detects a node ID of a source node from the CIP header in order to determine whether to disable relaying the isochronous packet received by said first connection unit to said second connection unit.

Claim 20. (New) A method according to claim 11, further comprising the step of: enabling relaying the isochronous packet received by the first connection unit to the second connection unit, if the isochronous packet received by the first connection unit does not include the CIP header.

Claim 21. (New) A method according to claim 11, further comprising the step of: detecting a node ID of a source node from the CIP header in order to determine whether to disable relaying the isochronous packet received by the first connection unit to the second connection unit.